

## Online Supporting Material

Supplemental Table 1. Sex-stratified association between **sugar-sweetened beverage** consumption and abdominal adiposity in 1,036 men and 1,290 women <sup>1</sup>

	Non-consumers 0 - <1/mo	Consumers			<i>P</i> -trend
		≥1/mo - <1/wk	≥1/wk - <1/d	≥1 /d	
<b>Men</b>					
Median intake, <i>servings/wk</i>	0	1	4	11	
n=1,036	275	456	320	255	
BMI, <i>kg/m<sup>2</sup></i>					
Model 1	28.7 (28.2, 29.2)	28.0 (27.6, 28.4)	28.3 (27.9, 28.8)	27.5 (27.0, 28.0)	0.02
Waist circumference, <sup>3</sup> <i>cm</i>					
Model 1	100.3 (99.1, 101.6)	99.1 (98.1, 100.0)	100.2 (99.0, 101.3)	97.8 (96.5, 99.2)	0.04
VAT <sup>4</sup> , <i>cm<sup>3</sup></i>					
Model 1	2120 (2020, 2220)	2090 (2010, 2160)	2290 (2190, 2380)	2140 (2030, 2260)	0.40
Model 1 + SAT <sup>5</sup>	2030 (1940, 2110)	2110 (2040, 2170)	2270 (2190, 2350)	2220 (2130, 2320)	0.005
SAT <sup>5</sup> , <i>cm<sup>3</sup></i>					
Model 1	2820 (2680, 2960)	2530 (2420, 2640)	2630 (2500, 2760)	2390 (2240, 2540)	0.005
Model 1 + VAT <sup>4</sup>	2840 (2720, 2960)	2580 (2490, 2670)	2530 (2430, 2640)	2400 (2270, 2520)	<0.001
VAT:SAT ratio <sup>3</sup>					
Model 1	0.75 (0.72, 0.79)	0.81 (0.78, 0.84)	0.88 (0.84, 0.91)	0.89 (0.85, 0.93)	<0.001
<b>Women</b>					
Median intake, <i>servings/wk</i>	0	1	4	9	
n=1,290	576	454	162	98	
BMI, <i>kg/m<sup>2</sup></i>					
Model 1	26.9 (26.5, 27.4)	26.5 (26.0, 27.0)	26.6 (25.8, 27.4)	26.3 (25.2, 27.4)	0.37
Waist circumference, <sup>3</sup> <i>cm</i>					
Model 1	91.6 (90.4, 92.7)	89.7 (88.5, 91.0)	91.2 (89.1, 93.3)	90.9 (88.2, 93.7)	0.91
VAT <sup>4</sup> , <i>cm<sup>3</sup></i>					
Model 1	1270 (1210, 1330)	1240 (1180, 1300)	1350 (1240, 1460)	1340 (1200, 1490)	0.19
Model 1 + SAT <sup>5</sup>	1230 (1190, 1280)	1280 (1230, 1320)	1350 (1280, 1430)	1390 (1280, 1490)	0.002
SAT <sup>5</sup> , <i>cm<sup>3</sup></i>					
Model 1	3190 (3070, 3310)	2990 (2850, 3120)	3070 (2850, 3300)	2970 (2680, 3260)	0.25
Model 1 + VAT <sup>4</sup>	3200 (3120, 3280)	3040 (2940, 3130)	2970 (2810, 3120)	2870 (2660, 3070)	0.003
VAT:SAT ratio <sup>3</sup>					
Model 1	0.38 (0.37, 0.39)	0.39 (0.38, 0.40)	0.41 (0.39, 0.43)	0.43 (0.40, 0.46)	0.001

<sup>1</sup> Data presented as means or geometric means and 95% CI.

<sup>2</sup> Model 1 was adjusted for age, energy intake, alcohol intake, diet soda intake, modified DGAI, educational level, physical activity level, smoking status, and Framingham cohort.

<sup>3</sup> Geometric means.

<sup>4</sup> VAT: visceral adipose tissue.

<sup>5</sup> SAT: abdominal subcutaneous adipose tissue